Ovideon LCD TV Technology

LCD Technology Overview

With the advent of Digital Television and the rise in popularity of the Flat Panel TV, look no further than the Ovideon LCD TV as your ultimate choice for home entertainment.

Ovideon has successfully developed a high brightness, high contrast, super wide angle of view, quick-reacting and high color saturation technology for TV applications. These technology advancements address many of the problems you may have experienced with other CRT or Flat Panel Displays . The bright, colorful and true to life images displayed by Ovideon LCD TVs are a wonder to behold.

Ovideon LCD TV Features

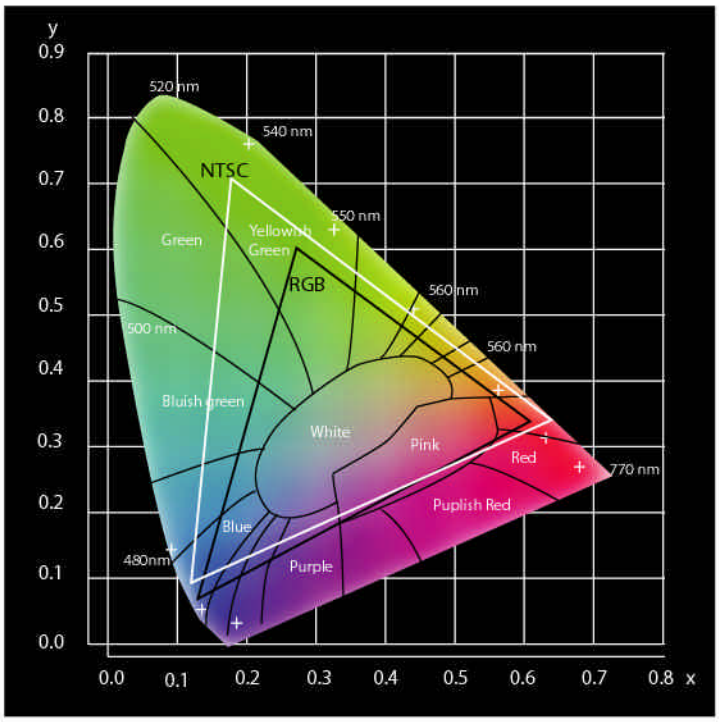
Super Wide Viewing Angle: Horizontal and Vertical angle of view over 176 degrees
Super Fast Panel Response: Full gray level switch at 8 milliseconds
Super High Color Saturation: NTSC 75%
Super High Brightness: 550 nits
Long Panel Life: Over 50,000 Hours
Low Power Consumption: As little as a 150W light bulb

High Color Saturation

Our newly developed high color saturation technology makes Ovideon displays stand out from the competition. HCS technology offers more vivid color reproduction with extreme color accuracy. Video is seen as close to the original source as possible. Water will be blue, skin tones appear natural and earth-tones …well, look like earth-tones.

Other LCD's

Ovideon LCD



Ovideon's super high color saturation technology currently equals NTSC 75%. New advances in our LCD panels will result in achieving color saturation of NTSC 100%. This is better than current CRT TV's by 1.4 times.

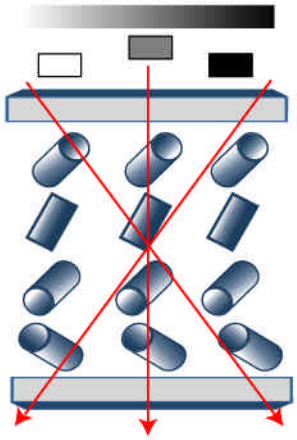
At Ovideon our goal is to have the finest color accuracy of any display technology.

So ,go ahead and place our TV's on your wall and experience the realism only available with Ovideon LCD displays.

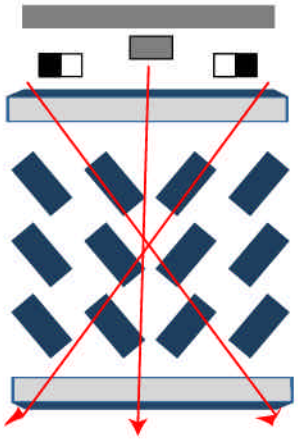
Super Wide Viewing Angle

No matter where you place the Ovideon LCD or no matter where you sit, you can rest assured that the picture displayed on this Monitor/TV will be clear and bright from any viewing angle. Our Super Wide LCD Technology ensures that there will be no gray scale (Color) shift often seen on other displays. In addition, our specially formulated anti-glare coatings on the LCD panel minimize room reflections further enhancing your viewing comfort.

Conventional TN LCD



Ovideon Super MVA LCD



In Conventional TN LCD the retardation of the Liquid Crystal is not the same at different viewing angles. As a result you may see a gray scale inversion phenomenon which makes the picture look dull and off color when viewed from the side or top.

In a multi-domain vertically aligned (MVA) LCD the retardation is always the same even at differentviewing angles.The self-compensating nature of the Liquid Crystal alignment in MVA technology results in virtually no gray scale inversion. Off axis viewing is possible without picture degradation.

With Ovideon's newly developed Super MVA technology the viewing angle is increased to 85 degrees in all directions from center. This results in a viewing angle of over 170 degrees.

Conventional TN LCD

Ovideon Super MVA LCD

Super Fast Panel Response

Ovideon LCD Panels are designed for video applications. With our industry leading 8ms panel response time moving objects are not blurred and video is seen with the utmost clarity, sharpness and detail.

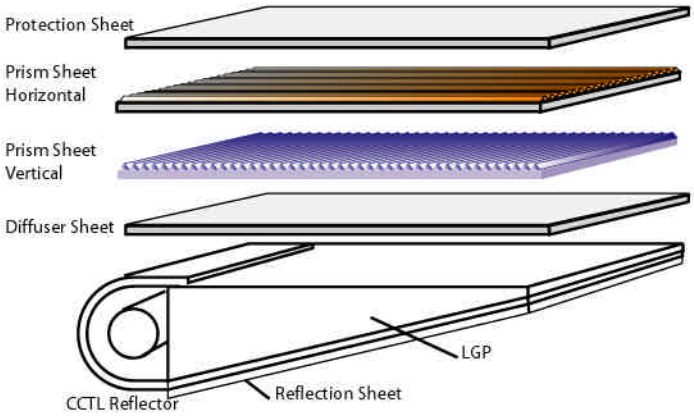
The problem with conventional LCD technology is centered around slow optical switching. This slow switching is OK for most graphics and still images but is not acceptable for motion picture applications. Using conventional LCD technology for video applications results in the blurring of moving objects which decreases the overall picture quality.

With Ovideon Super Fast Panel Response Technology even fast moving objects are presented with clarity and sharpness.

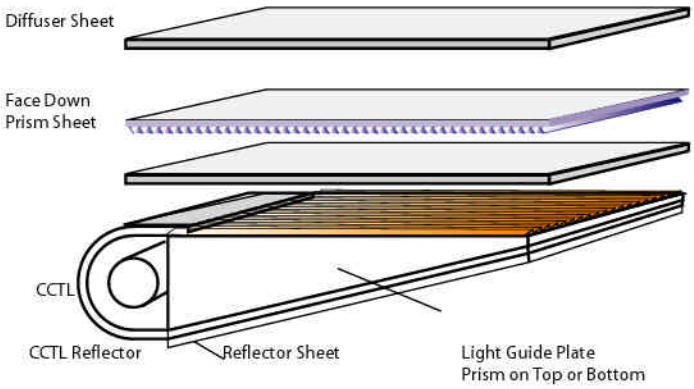
Conventional Slow Response LCD panels will show undesired blurring of any moving image, thus reducing overall picture quality.

High Brightness Backlight

No longer is it necessary to darken the room or to turn down the lights to see a good picture. The high brightness of Ovideon LCD panels ensures easy viewing under most room lighting conditions.



Conventional LCD Backlight Technology



Ovideon's new and improved Light Guide Plate integrates a specially designed prism microstructure that improves brightness and allows for more even illumination across the LCD Panel.

Long Life and Low Power Consumption

The nature of LCD technology allows Ovideon display to operate over 50,000 hours without degradation or burn-in normally seen in other flat panel technologies. In addition, low power consumption will save you money on your next electric bill. Ovideon displays use as little electricity as a 150W light bulb - less than half of some other flat panel technologies as well as other CRT based displays.